



NVLAP ACCREDITED  
NARTE Certified Engineer  
Professional Engineer

## ELITE Electronic Engineering

TCB Services  
1516 Centre Circle  
Downers Grove, IL 60515-1082

Re: quote: EEE-Q20554TCB  
Re: Application for Certification of Fleetwood Group Inc. Transceiver  
under 47CFR 15.247.  
FCC ID: **FBRLCB100-EI**

Gentlemen:

On behalf of the applicant, Fleetwood Group Inc., please find attached the submittal materials for certification of the "eInstruction cpsRF® Response System", Model LCB100-EI. This product, a part of Fleetwood Group's audience interaction technology, operates as a Frequency Hopping Spread Spectrum device within the 2400-2483.5MHz frequency band.

The complete List of the Exhibits in this submittal package appears on Page 2 of this cover letter.

Fleetwood Group Inc. has invested considerable resources into developing this product series. Pursuant to 47CRF 0.459, the Fleetwood Group requests that the Circuit Block Diagrams, Operational Description, and Schematics be held confidential. A formal letter addressing this request is reproduced in the file: EINB\_Request.pdf.

The Federal Communications Commission will be notified, in writing, of any changes in the software/programming of the device that could affect the device's RF characteristics.

Your prompt consideration of this application for product certification will be greatly appreciated. Should you have any questions regarding the content of this report, kindly contact me.

Sincerely,

A handwritten signature in black ink that reads "Ted Chaffee".

Ted Chaffee,  
Technical Lab Manager  
Narte Certified Engineer, #EMC-002025-NE  
tel/fax: 269. 424.7014  
email: tchaffee@ahde.com, or ahde@locallink.net

## **Table of Contents**

Cover Letter / Table of Contents		Total Pages	2
Letter for Confidentiality		Total Pages	1
EXHIBIT A:			
ID Label / Location [2.925,2.926,2.1033(b2,7),15.19(a3)]			
	EINB_Label.pdf	Total Pages	1
EXHIBIT B:			
Description of Product [2.1033(b6)]			
Circuit Block Diagram [2.1033(b5)]			
Description of Operation [2.1033(b4)]			
	EINB_TechDesc.pdf	Total Pages	6
Schematic [2.1033(b5)]	EINB_Schem.pdf	Total Pages	3
EXHIBIT C:			
Product photos [2.1033(b7)]			
Exterior views;	Interior views;		
Main Printed Circuit Board views;	EINB_Photos.pdf	Total Pages	2
EXC_Pwrsupplytop.jpg	EXC_Pwrsupplybtm.jpg	Total Pages	2
EXHIBIT D:			
User's Manual	EINB_Manual.pdf	Total Pages	2
EXHIBIT E:			
Setup photos [2.1033(b8)]	Seven photos	Total Pages	7
EXE_pretest.jpg, EXE_LCIrear.jpg, EXE_LCIfrnt.jpg,			
EXE_Radrear.jpg, EXE_Radfrnt.jpg, EXE_RadrearDIG.jpg, EXE_RadfrntDIG.jpg			
Report of Measurements [2.1033(b6)]		Total Pages	23
Table of Contents	Page 2		
Manufacturer/Applicant [2.1033(b1)]	Page 4		
Measurement/Test Facility & Equipment	Page 4		
Configuration/Setup [2.1033(b8)]	Page 5		
Test Standards / Methodology [2.1033(b6)]	Page 7		
Test Data [2.1033(b6)]			
Summary of Results	Page 6		
Frequency Hopping Characteristics	Page 11		
Bandedge	Page 14		
Radiated Field Strength [15.249(b)]	Page 20		
Test Data of Harmonics	EXE_Ein_RFb.pdf	Total Pages	3
Misc. EXHIBIT:			
RF Exposure Information [2.1093(c)]		Total Pages	1